



June 2008

**DEPARTMENT OF EDUCATION**  
2007–2008 School Year Reports

Dear School Board Members and School Personnel:

The Maine Educational Assessment (MEA) is the State's measure of student progress in achieving the State standards known as *Learning Results*, adopted by the Maine Legislature in 1997. These *Learning Results* established goals for what all students should know and be able to do at certain times in their school careers and are the basis for Grade Level/Span Expectations, which describe the assessment standards for each grade. The MEA is administered to students in all grades 3 through 8 to meet state assessment requirements and the requirements of the federal *No Child Left Behind Act*.

The 2007-2008 MEA summary reports contain the results of student achievement in reading and mathematics at all grades, science and technology at grades 4 and 8, and writing at grade 5 based on achievement standards set in 2006 and disaggregated by student and school characteristics. This report, together with MEA individual student and subject-specific class analysis reports, provides support for use in program evaluation and planning.

MEA results reflect scores based on test questions that are taken in common by the approximately 15,000 students in each grade level. Students' scores in each content area are based on answers to a combination of multiple-choice questions and questions that require students to construct an answer. The grade 5 writing reports provide information on a student's ability to respond to a prompt measuring narrative writing. More information about the design of the MEA is available at [www.maine.gov/education/mea/index.htm](http://www.maine.gov/education/mea/index.htm).

I look forward to working with you in support of our continued efforts to improve the quality and effectiveness of the instructional opportunities designed to help all students achieve the high standards of the *Learning Results* and demonstrate that achievement through performance on the Maine Educational Assessment.

Sincerely,

Susan A. Gendron  
Commissioner of Education



## School Report Grade 8

Test Date: March 2008  
Code: 11991489  
SAU: MSAD 05  
School: Rockland District Middle Sch

### Contents of the Report

The report is divided into two main sections including a section describing the students tested and a separate section for the results in each content area.

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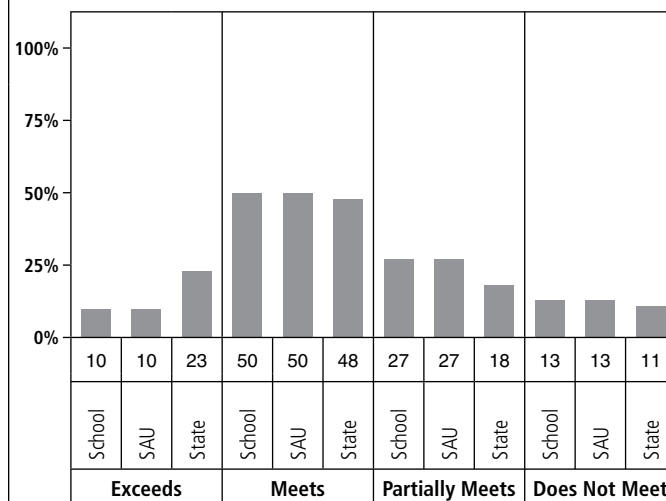
# SUMMARY OF SCORES

Test Date: March 2008  
Grade: 8  
SAU: MSAD 05  
School: Rockland District Middle Sch

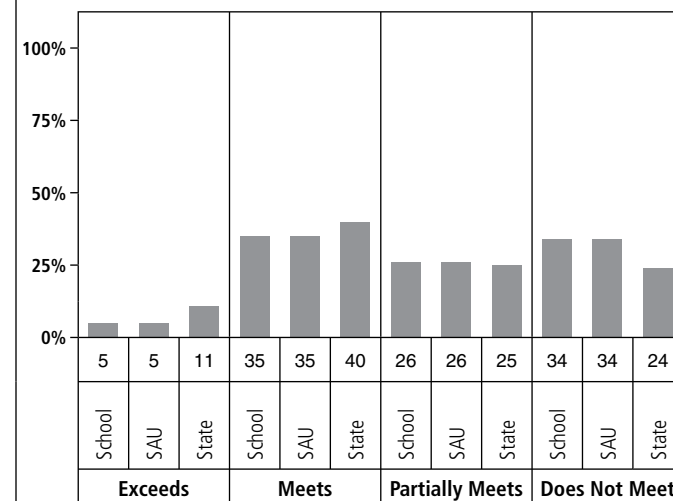
## Summary of School, SAU, and State Scores

Year	Average Scaled Score		
	School	SAU	State
<b>ELA – Reading</b>			
2005–2006	842	843	845
2006–2007	847	847	847
<b>2007–2008</b>	<b>845</b>	<b>845</b>	<b>849</b>
Cum. Avg. *	845	845	847
<b>Mathematics</b>			
2005–2006	836	836	840
2006–2007	837	837	842
<b>2007–2008</b>	<b>837</b>	<b>837</b>	<b>841</b>
Cum. Avg. *	837	837	841
<b>Science &amp; Technology</b>			
2005–2006	843	843	846
2006–2007	843	843	847
<b>2007–2008</b>	<b>843</b>	<b>843</b>	<b>847</b>
Cum. Avg. *	843	843	847

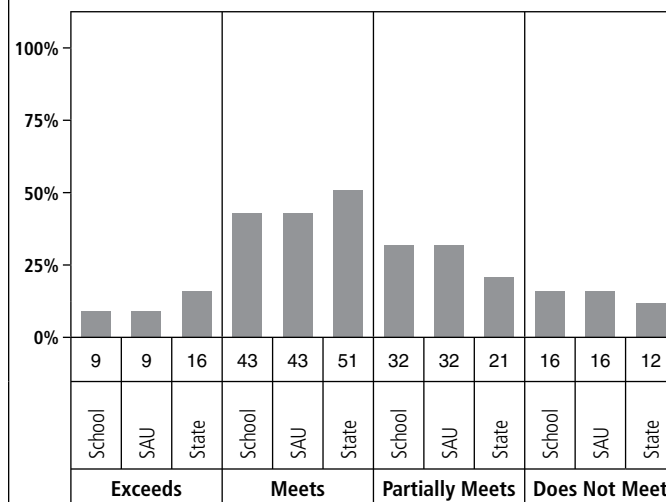
### ELA – READING



### MATHEMATICS



### SCIENCE AND TECHNOLOGY



\*Cumulative averages are weighted, i.e., the scaled scores are averaged proportionally based on the numbers of students in each year.

# SUMMARY OF STUDENT PARTICIPATION

Test Date: March 2008  
Grade: 8  
SAU: MSAD 05  
School: Rockland District Middle Sch

CATEGORY OF PARTICIPATION	Enrollment <sup>1</sup> during testing window						CONTENT AREA PARTICIPATION <sup>2</sup>																							
							ELA-Reading						Mathematics						Science and Technology						School			SAU		
	School		SAU		State		School		SAU		State		School		SAU		State													
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
Total number of students	120	100	121	100	15274	100	119	99	120	99	15102	99	119	99	120	99	15097	99	119	99	120	99	15080	99						
Ethnicity African American/Black	1	1	1	1	368	2	1	100	1	100	356	97	1	100	1	100	360	98	1	100	1	100	356	97						
American Indian or Native Alaskan	0	0	0	0	120	1	0	0	0	0	117	98	0	0	0	0	117	98	0	0	0	0	117	98						
Asian or Pacific Islander	1	1	1	1	186	1	1	100	1	100	181	97	1	100	1	100	182	98	1	100	1	100	182	98						
Hispanic	1	1	1	1	139	1	1	100	1	100	136	98	1	100	1	100	136	98	1	100	1	100	136	98						
Caucasian/White	117	98	118	98	14461	95	116	99	117	99	14312	99	116	99	117	99	14302	99	116	99	117	99	14289	99						
Not Reported	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0						
Identified disability	20	17	21	17	2508	16	19	95	20	95	2446	98	19	95	20	95	2441	98	19	95	20	95	2431	98						
Current LEP	1	1	1	1	327	2	1	100	1	100	316	97	1	100	1	100	322	99	1	100	1	100	322	99						
Economically disadvantaged	48	40	49	40	5420	35	48	100	49	100	5329	99	48	100	49	100	5324	99	48	100	49	100	5313	98						
Migrant	0	0	0	0	7	0	0	0	0	0	7	100	0	0	0	0	7	100	0	0	0	0	7	100						

MODE OF PARTICIPATION <sup>3</sup>	ELA-Reading						Mathematics						Science and Technology											
	School		SAU		State		School		SAU		State		School		SAU		State		School		SAU		State	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
Participation without accommodations	104	87	104	86	12703	83	104	87	104	86	12694	83	104	87	104	86	12710	83						
Identified disability (PET/IEP)	4	4	4	4	437	3	4	4	4	4	421	3	4	4	4	4	445	4						
LEP	1	1	1	1	172	1	1	1	1	1	172	1	1	1	1	1	173	1						
504 plan	0	0	0	0	229	2	0	0	0	0	231	2	0	0	0	0	230	2						
Participation with accommodations	12	10	12	10	2221	15	12	10	12	10	2227	15	12	10	12	10	2197	14						
Identified disability (PET/IEP)	12	100	12	100	1832	82	12	100	12	100	1844	83	12	100	12	100	1813	83						
LEP	0	0	0	0	136	6	0	0	0	0	143	6	0	0	0	0	142	6						
504 plan	1	8	1	8	68	3	1	8	1	8	66	3	1	8	1	8	66	3						
Other	0	0	0	0	213	10	0	0	0	0	202	9	0	0	0	0	204	9						
Participation through alternate assessment (PAAP)	3	3	4	3	177	1	3	3	4	3	176	1	3	3	4	3	173	1						
Identified disability (PET/IEP)	3	100	4	100	177	100	3	100	4	100	176	100	3	100	4	100	173	100						
LEP	0	0	0	0	7	4	0	0	0	0	7	4	0	0	0	0	7	4						
504 plan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0						
Approved non-participation in reading – 1st year LEP	0	0	0	0	1	0																		
Approved non-participation – special consideration	0	0	0	0	32	0	0	0	0	0	34	0	0	0	0	0	34	0						
Non-participation – other	1	1	1	1	140	1	1	1	1	1	143	1	1	1	1	1	160	1						

1 Percents are the percentage of students enrolled in each participation category.

2 Percents are the percentage of students, including those who participated through alternate assessment (PAAP), who participated in the content area.

3 Percents are the percentage of students in each content area by mode.

# ELA–READING RESULTS

Test Date: March 2008  
Grade: 8  
SAU: MSAD 05  
School: Rockland District Middle Sch

ACHIEVEMENT LEVEL DEFINITIONS		STUDENTS AT EACH ACHIEVEMENT LEVEL					
		School		SAU		State	
		N	%	N	%	N	%
<b>Exceeds the Standards</b> – The student’s work demonstrates the ability to read and interpret literary and informational texts appropriate for the grade level by drawing in-depth inferences, analyzing texts for subtle clues, synthesizing information across texts, and using his/her knowledge of text features and literary devices to make deeper connections within or across texts to increase comprehension. (scaled score 861–880)	2005-2006	14	13	14	13	2695	17
	2006-2007	18	17	18	17	2407	16
	<b>2007-2008</b>	<b>12</b>	<b>10</b>	<b>12</b>	<b>10</b>	<b>3428</b>	<b>23</b>
	Cum. Total*	44	13	44	13	8530	18
<b>Meets the Standards</b> – The student’s work demonstrates the ability to read and interpret literary and informational texts appropriate for the grade level by drawing inferences, summarizing main ideas and providing supporting details, connecting ideas within and across texts, and using his/her knowledge of text features and literary devices to increase comprehension. (scaled score 841–860)	2005-2006	43	40	43	40	6830	42
	2006-2007	48	45	48	45	7494	49
	<b>2007-2008</b>	<b>58</b>	<b>50</b>	<b>58</b>	<b>50</b>	<b>7179</b>	<b>48</b>
	Cum. Total*	149	45	149	45	21503	46
<b>Partially Meets the Standards</b> – The student’s work demonstrates an inconsistent ability to read and interpret literary and informational texts appropriate for the grade level. The student’s ability to draw inferences, summarize main ideas and provide supporting details, connect ideas within and across texts, and use his/her knowledge of text features and literary devices varies depending on the texts. (scaled score 829–840)	2005-2006	30	28	29	27	3741	23
	2006-2007	30	28	30	28	3628	24
	<b>2007-2008</b>	<b>31</b>	<b>27</b>	<b>31</b>	<b>27</b>	<b>2706</b>	<b>18</b>
	Cum. Total*	91	27	90	27	10075	22
<b>Does Not Meet the Standards</b> – The student’s work demonstrates a limited ability to read and interpret literary and informational texts appropriate for the grade level. The student’s responses are often vague or incorrect leaving the impression that the student found it difficult to draw inferences, summarize main ideas and provide supporting details, connect ideas within and across texts, or use his/her knowledge of text features and literary devices to support comprehension. (scaled score 800–828)	2005-2006	21	19	21	20	3003	18
	2006-2007	11	10	11	10	1810	12
	<b>2007-2008</b>	<b>15</b>	<b>13</b>	<b>15</b>	<b>13</b>	<b>1611</b>	<b>11</b>
	Cum. Total*	47	14	47	14	6424	14

Learning Results Content Standard Cluster	Number of Points Possible		Average Points Attained (Number and Percent)					
			School		SAU		State	
	N	%	N	%	N	%	N	%
<b>Total Reading Cluster</b>	<b>56</b>	<b>100</b>	34.4	61.4	34.4	61.4	36.9	65.9
<b>Literary Text</b>	<b>28</b>	<b>50</b>	17.2	61.4	17.2	61.4	18.3	65.4
<b>Informational Text</b>	<b>28</b>	<b>50</b>	17.2	61.4	17.2	61.4	18.6	66.4

The Maine *Learning Results* reading cluster includes Content Standards A (Process of Reading), B (Literature and Culture), and D (Informational Texts). The MEA assesses students’ reading skills based on questions related to two types of reading passages: literary and informational. Passages include both long and short texts, selected from developmentally appropriate works. Items on the MEA measure Grade Level Expectations, based on Maine’s 1997 *Learning Results*, which can be found at <http://www.maine.gov/education/lsalt/gles.htm>.

# ELA-READING RESULTS

## (CONTINUED)

Test Date: March 2008  
 Grade: 8  
 SAU: MSAD 05  
 School: Rockland District Middle Sch

REPORTING CATEGORIES	School										SAU						State					
	Tested	E		M		P		D		Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score
	N	N	%	N	%	N	%	N	%		N	%	%	%	%		N	%	%	%	%	
<b>All Students</b>	116	12	10	58	50	31	27	15	13	845	116	10	50	27	13	845	14924	23	48	18	11	849
<b>Ethnicity</b>																						
African American/Black	1										1						348	11	38	22	29	840
American Indian or Native Alaskan	0										0						117	9	43	29	19	842
Asian or Pacific Islander	1										1						179	32	39	18	11	852
Hispanic	1										1						131	18	38	27	17	846
Caucasian/White	113	12	11	55	49	31	27	15	13	845	113	11	49	27	13	845	14149	23	49	18	10	850
Not Reported	0										0						0					
<b>Identified disability</b>																						
Yes	16	0	0	3	19	5	31	8	50	830	16	0	19	31	50	830	2269	3	24	32	42	833
No	100	12	12	55	55	26	26	7	7	848	100	12	55	26	7	848	12655	27	52	16	5	852
<b>Current LEP</b>																						
Yes	1										1						308	8	30	27	34	837
No	115	12	10	57	50	31	27	15	13	845	115	10	50	27	13	845	14616	23	48	18	10	850
<b>Economically disadvantaged</b>																						
Yes	47	4	9	14	30	18	38	11	23	839	47	9	30	38	23	839	5222	12	44	25	19	843
No	69	8	12	44	64	13	19	4	6	849	69	12	64	19	6	849	9702	29	50	14	7	853
<b>Migrant</b>																						
Yes	0										0						7	0	86	0	14	850
No	116	12	10	58	50	31	27	15	13	845	116	10	50	27	13	845	14917	23	48	18	11	849
<b>Gender</b>																						
Female	63	8	13	32	51	16	25	7	11	847	63	13	51	25	11	847	7198	30	48	15	7	853
Male	53	4	8	26	49	15	28	8	15	843	53	8	49	28	15	843	7726	17	49	21	14	847
Not Reported	0										0						0					
<b>Title 1A targeted program</b>																						
Yes	0										0						807	9	41	32	18	842
No	116	12	10	58	50	31	27	15	13	845	116	10	50	27	13	845	14117	24	49	17	10	850
<b>Gifted/talented program</b>																						
Yes	7	5	71	2	29	0	0	0	0	866	7	71	29	0	0	866	592	71	28	1	0	867
No	109	7	6	56	51	31	28	15	14	844	109	6	51	28	14	844	14332	21	49	19	11	849

E = Exceeds the Standards M = Meets the Standards P = Partially Meets the Standards D = Does Not Meet the Standards

NOTE: Some achievement level results have been left blank because fewer than five (5) students were tested. N = Number

# ELA–READING RESULTS

## (QUESTIONNAIRE ITEMS)

Test Date: March 2008  
Grade: 8  
SAU: MSAD 05  
School: Rockland District Middle Sch

QUESTIONNAIRE ITEMS	School										SAU						State					
	Students in Each Category	E		M		P		D		Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score
		%	N	%	N	%	N	%	N			%	%	%	%			%	%	%	%	
<b>How much homework do you do on school nights?</b> A. none B. less than one hour C. one to two hours D. more than two hours	14 53 30 3	0 8 4 0	0 13 11 0	5 34 17 2	31 56 49 67	6 14 9 1	38 23 26 33	5 5 5 0	31 8 14 0	836 848 845 849	14 53 30 3	0 13 11 0	31 56 49 67	38 23 26 33	31 8 14 0	836 848 845 849	9 46 41 5	10 20 28 28	39 50 49 44	24 20 15 15	26 11 7 12	841 849 852 850
<b>How well do the questions that you have just been given on this MEA test match what you have learned in school about reading?</b> A. The questions on the test match what I have learned in reading class. B. They match some of what I have learned. C. They match just a little of what I have learned. D. There is no match.	16 58 19 7	2 6 4 0	11 9 18 0	11 36 7 3	61 55 32 38	1 18 7 4	6 27 32 50	4 6 4 1	22 9 18 13	845 846 845 837	16 58 19 7	11 9 18 0	61 55 32 38	6 27 32 50	22 9 18 13	845 846 845 837	33 53 11 3	31 21 14 6	48 51 41 34	14 19 25 26	7 9 20 35	853 849 844 836
<b>Which of the following best describes how you rate yourself as a student in reading?</b> A. very good B. good C. fair D. poor	31 50 17 2	9 3 0 0	25 5 0 0	19 31 7 1	53 54 35 50	6 16 8 0	17 28 40 0	2 7 5 1	6 12 25 50	851 844 838 835	31 50 17 2	25 5 0 0	53 54 35 50	17 28 40 0	6 12 25 50	851 844 838 835	31 49 18 2	42 19 5 4	44 54 42 29	8 19 31 32	6 9 22 34	857 849 840 835
<b>How difficult was the reading part of this test?</b> A. harder than my regular schoolwork B. about the same as my regular schoolwork C. easier than my regular schoolwork	15 60 25	1 6 5	6 9 17	5 39 14	29 57 48	9 13 8	53 19 28	2 11 2	12 16 7	841 845 848	15 60 25	6 9 17	29 57 48	53 19 28	12 16 7	841 845 848	15 65 19	16 23 30	44 49 49	22 18 14	18 9 8	845 850 852
<b>How difficult were the reading passages on this test?</b> A. Most of the passages were more difficult than what I normally read. B. Most of the passages were about the same as what I normally read. C. Most of the passages were easier than what I normally read.	13 46 41	0 0 12	0 0 26	5 29 23	33 57 50	4 16 9	27 31 20	6 6 2	40 12 4	835 842 852	13 46 41	0 0 26	33 57 50	27 31 20	40 12 4	835 842 852	9 53 38	8 17 36	33 51 48	28 21 11	31 11 5	838 848 855
<b>How hard did you try on the reading part of this test?</b> A. I tried harder on this test than I do on my regular schoolwork. B. I tried about the same as I do on my regular schoolwork. C. I did not try as hard on this test as I do on my regular schoolwork.	54 41 5	8 4 0	13 9 0	34 23 1	55 49 17	16 12 2	26 26 33	4 8 3	6 17 50	847 844 833	54 41 5	13 9 0	55 49 17	26 26 33	6 17 50	847 844 833	43 51 6	23 25 9	48 49 43	19 17 24	10 9 23	849 851 842
<b>How much time do you spend reading at home each day?</b> A. more than one hour B. 20 minutes to an hour C. less than 20 minutes D. I rarely read at home.	24 43 15 17	5 4 3 0	18 8 18 0	14 31 5 8	50 62 29 40	8 11 4 7	29 22 24 35	1 4 5 5	4 8 29 25	850 847 841 838	24 43 15 17	18 8 18 0	50 62 29 40	29 22 24 35	4 8 29 25	850 847 841 838	18 41 13 28	31 28 20 12	47 49 49 47	13 15 18 26	9 7 12 16	852 852 848 844
<b>How do you feel about the following statement?</b> <i>“My knowledge of reading will be useful to me as an adult.”</i> A. strongly agree B. agree C. disagree D. strongly disagree	49 44 5 2	12 0 0 0	21 0 0 0	28 27 2 1	50 54 33 50	12 16 1 0	21 32 17 0	4 7 3 1	7 14 50 50	850 842 836 834	49 44 5 2	21 0 0 0	50 54 33 50	21 32 17 0	7 14 50 50	850 842 836 834	43 48 6 2	31 18 11 6	48 50 43 36	14 20 24 32	7 12 21 26	853 848 843 839
<b>Optional school/SAU question</b> A. B. C. D.	0 67 0 33	0 0 0 0	0 0 0 0	0 0 0 0	0 0 0 0	1 1 0 0	25 3 0 0	3 75 2 100	75 824 815	824 815	0 67 0 33	0 0 0 0	0 25 0 100	75 824 815	824 815	824 815						

# MATHEMATICS RESULTS

Test Date: March 2008  
Grade: 8  
SAU: MSAD 05  
School: Rockland District Middle Sch

ACHIEVEMENT LEVEL DEFINITIONS		STUDENTS AT EACH ACHIEVEMENT LEVEL					
		School		SAU		State	
		N	%	N	%	N	%
<b>Exceeds the Standards</b> – The student’s work demonstrates in-depth understanding of essential concepts in mathematics, including the ability to make multiple connections among central ideas. The student’s responses demonstrate the ability to synthesize information; analyze and solve difficult problems, including developing and implementing strategies, efficiently and accurately performing procedures, and recording and justifying solutions; and explain complex concepts. (scaled score 861–880)	2005-2006	10	9	10	10	1714	11
	2006-2007	5	5	5	5	1952	13
	<b>2007-2008</b>	<b>6</b>	<b>5</b>	<b>6</b>	<b>5</b>	<b>1657</b>	<b>11</b>
	Cum. Total*	21	6	21	6	5323	11
<b>Meets the Standards</b> – The student’s work demonstrates a general understanding of essential concepts in mathematics, including the ability to make connections among central ideas. The student’s responses demonstrate the ability to analyze and solve problems including developing and implementing strategies, to perform procedures, and to record and explain solutions and concepts. The student’s work may contain minor errors. (scaled score 841–860)	2005-2006	26	25	26	25	5533	34
	2006-2007	31	29	31	29	5870	38
	<b>2007-2008</b>	<b>41</b>	<b>35</b>	<b>41</b>	<b>35</b>	<b>5956</b>	<b>40</b>
	Cum. Total*	98	30	98	30	17359	37
<b>Partially Meets the Standards</b> – The student’s work demonstrates incomplete understanding of essential concepts in mathematics and inconsistent connections among central ideas. The student’s responses demonstrate some ability to analyze and solve problems, and explain concepts. Problem solving strategies may be flawed, procedures performed inaccurately, methods not recorded and/or problems not completed. (scaled score 829–840)	2005-2006	39	37	39	37	4764	29
	2006-2007	44	41	44	41	3982	26
	<b>2007-2008</b>	<b>30</b>	<b>26</b>	<b>30</b>	<b>26</b>	<b>3729</b>	<b>25</b>
	Cum. Total*	113	34	113	34	12475	27
<b>Does Not Meet the Standards</b> – The student’s work demonstrates limited understanding of essential concepts in mathematics and infrequent or inaccurate connections among central ideas. The student’s responses demonstrate minimal ability to solve problems and explain concepts. Problem solving strategies and procedures are often flawed or inappropriate and there may be many omissions. (scaled score 800–828)	2005-2006	31	29	30	29	4251	26
	2006-2007	28	26	28	26	3534	23
	<b>2007-2008</b>	<b>39</b>	<b>34</b>	<b>39</b>	<b>34</b>	<b>3579</b>	<b>24</b>
	Cum. Total*	98	30	97	29	11364	24

Learning Results Content Standard Clusters	Number of Points Possible		Average Points Attained (Number and Percent)					
			School		SAU		State	
	N	%	N	%	N	%	N	%
Cluster 1: Numbers and Operations	16	29	7.6	47.5	7.6	47.5	8.4	52.5
Cluster 2: Shape and Size	14	25	5.2	37.1	5.2	37.1	5.9	42.1
Cluster 3: Mathematical Decision Making	8	14	4.6	57.5	4.6	57.5	4.6	57.5
Cluster 4: Patterns	18	32	7.6	42.2	7.6	42.2	8.9	49.4

- Cluster 1: Numbers and Operations**  
 A. Numbers and Number Sense  
 B. Computation  
 I. Discrete Mathematics (grades 3 and 4 only)
- Cluster 2: Shape and Size**  
 E. Geometry  
 F. Measurement
- Cluster 3: Mathematical Decision Making**  
 C. Data Analysis and Statistics  
 D. Probability
- Cluster 4: Patterns**  
 G. Patterns, Relations, and Functions  
 H. Algebra Concepts  
 K. Mathematical Communication

Each content standard in the clusters above is defined in Maine’s 1997 *Learning Results*, which are the basis for Grade Level Expectations. Each item on the MEA measures a grade level expectation, which can be found at <http://www.maine.gov/education/lsalt/gles.htm>.

# MATHEMATICS RESULTS

## (CONTINUED)

Test Date: March 2008  
 Grade: 8  
 SAU: MSAD 05  
 School: Rockland District Middle Sch

REPORTING CATEGORIES	School										SAU						State					
	Tested	E		M		P		D		Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score
	N	N	%	N	%	N	%	N	%		N	%	%	%	%		N	%	%	%	%	
<b>All Students</b>	116	6	5	41	35	30	26	39	34	837	116	5	35	26	34	837	14921	11	40	25	24	841
<b>Ethnicity</b>																						
African American/Black	1										1						352	2	23	23	52	828
American Indian or Native Alaskan	0										0						117	5	22	33	39	832
Asian or Pacific Islander	1										1						181	24	42	20	14	848
Hispanic	1										1						131	7	34	26	33	836
Caucasian/White	113	6	5	39	35	29	26	39	35	837	113	5	35	26	35	837	14140	11	41	25	23	841
Not Reported	0										0						0					
<b>Identified disability</b>																						
Yes	16	0	0	0	0	5	31	11	69	822	16	0	0	31	69	822	2265	1	14	22	62	824
No	100	6	6	41	41	25	25	28	28	839	100	6	41	25	28	839	12656	13	45	26	17	844
<b>Current LEP</b>																						
Yes	1										1						315	5	24	20	51	828
No	115	6	5	40	35	30	26	39	34	837	115	5	35	26	34	837	14606	11	40	25	23	841
<b>Economically disadvantaged</b>																						
Yes	47	0	0	15	32	8	17	24	51	831	47	0	32	17	51	831	5217	5	30	29	37	834
No	69	6	9	26	38	22	32	15	22	841	69	9	38	32	22	841	9704	15	45	23	17	845
<b>Migrant</b>																						
Yes	0										0						7	0	43	43	14	838
No	116	6	5	41	35	30	26	39	34	837	116	5	35	26	34	837	14914	11	40	25	24	841
<b>Gender</b>																						
Female	63	4	6	22	35	16	25	21	33	837	63	6	35	25	33	837	7199	11	40	26	23	841
Male	53	2	4	19	36	14	26	18	34	836	53	4	36	26	34	836	7722	11	40	24	25	841
Not Reported	0										0						0					
<b>Title 1A targeted program</b>																						
Yes	0										0						806	3	20	30	47	831
No	116	6	5	41	35	30	26	39	34	837	116	5	35	26	34	837	14115	12	41	25	23	842
<b>Gifted/talented program</b>																						
Yes	7	3	43	4	57	0	0	0	0	861	7	43	57	0	0	861	592	58	39	2	1	864
No	109	3	3	37	34	30	28	39	36	835	109	3	34	28	36	835	14329	9	40	26	25	840

E = Exceeds the Standards M = Meets the Standards P = Partially Meets the Standards D = Does Not Meet the Standards

NOTE: Some achievement level results have been left blank because fewer than five (5) students were tested. N = Number



# MATHEMATICS RESULTS

## (QUESTIONNAIRE ITEMS)

Test Date: March 2008  
Grade: 8  
SAU: MSAD 05  
School: Rockland District Middle Sch

QUESTIONNAIRE ITEMS	School										SAU						State					
	Students in Each Category	E		M		P		D		Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score
	%	N	%	N	%	N	%	N	%		%	%	%	%	%		%	%	%	%	%	
How much homework do you do on school nights?																						
A. none	14	0	0	4	25	2	13	10	63	830	14	0	25	13	63	830	9	5	30	23	41	833
B. less than one hour	53	6	10	23	38	15	25	17	28	839	53	10	38	25	28	839	46	10	40	26	25	840
C. one to two hours	30	0	0	14	40	11	31	10	29	837	30	0	40	31	29	837	41	14	42	25	19	843
D. more than two hours	3	0	0	0	0	2	67	1	33	828	3	0	0	67	33	828	5	14	38	23	24	842
How well do the questions that you have just been given on this MEA test match what you have learned in school about mathematics?																						
A. The questions on the test match what I have learned in mathematics class.	34	4	10	15	38	10	26	10	26	842	34	10	38	26	26	842	30	17	43	22	18	845
B. They match some of what I have learned.	38	2	5	17	39	11	25	14	32	837	38	5	39	25	32	837	50	10	42	26	22	841
C. They match just a little of what I have learned.	19	0	0	7	32	8	36	7	32	835	19	0	32	36	32	835	17	6	32	29	33	836
D. There is no match.	9	0	0	2	20	1	10	7	70	823	9	0	20	10	70	823	4	3	18	25	54	828
Which of the following best describes how you rate yourself as a student in mathematics?																						
A. very good	23	5	19	14	52	3	11	5	19	847	23	19	52	11	19	847	26	29	46	14	11	851
B. good	34	1	3	18	46	11	28	9	23	838	34	3	46	28	23	838	45	7	46	27	20	841
C. fair	31	0	0	6	17	15	42	15	42	833	31	0	17	42	42	833	23	1	26	34	38	833
D. poor	11	0	0	3	23	1	8	9	69	826	11	0	23	8	69	826	5	1	14	29	57	827
How difficult was the mathematics part of this test?																						
A. harder than my regular schoolwork	38	2	5	10	23	11	26	20	47	833	38	5	23	26	47	833	34	4	35	28	32	836
B. about the same as my regular schoolwork	48	0	0	23	42	18	33	14	25	837	48	0	42	33	25	837	52	10	43	26	21	842
C. easier than my regular schoolwork	14	4	25	7	44	1	6	4	25	846	14	25	44	6	25	846	13	33	40	14	13	852
How hard did you try on the mathematics part of this test?																						
A. I tried harder on this test than I do on my regular schoolwork.	50	4	7	27	48	9	16	16	29	840	50	7	48	16	29	840	44	10	40	26	25	840
B. I tried about the same as I do on my regular schoolwork.	43	1	2	13	27	19	40	15	31	836	43	2	27	40	31	836	50	13	42	24	21	843
C. I did not try as hard on this test as I do on my regular schoolwork.	7	0	0	0	0	2	25	6	75	821	7	0	0	25	75	821	6	9	27	27	38	835
How often do you use laptops in mathematics class?																						
A. almost every day	3	0	0	1	33	0	0	2	67	821	3	0	33	0	67	821	9	6	38	27	29	837
B. two or three days a week	5	0	0	0	0	2	33	4	67	827	5	0	0	33	67	827	16	8	38	27	27	839
C. two or three times each month	9	1	10	1	10	4	40	4	40	833	9	10	10	40	40	833	28	12	41	27	21	843
D. never or almost never	83	5	5	39	41	24	25	28	29	839	83	5	41	25	29	839	48	13	40	23	24	842
How often do you use calculators in mathematics class?																						
A. almost every day	10	0	0	4	36	0	0	7	64	830	10	0	36	0	64	830	38	14	42	23	21	843
B. two or three times a week	23	1	4	7	27	8	31	10	38	834	23	4	27	31	38	834	33	10	41	26	23	841
C. two or three times each month	44	2	4	17	33	16	31	16	31	837	44	4	33	31	31	837	18	10	36	27	27	840
D. never or almost never	23	3	11	13	48	6	22	5	19	842	23	11	48	22	19	842	11	7	34	26	33	836
How do you feel about the following statement? “My knowledge of mathematics will be useful to me as an adult.”																						
A. strongly agree	54	5	8	23	37	18	29	16	26	840	54	8	37	29	26	840	54	14	44	23	18	844
B. agree	37	1	2	15	36	11	26	15	36	835	37	2	36	26	36	835	38	8	36	27	28	838
C. disagree	6	0	0	1	14	1	14	5	71	828	6	0	14	14	71	828	6	6	31	28	36	835
D. strongly disagree	3	0	0	1	33	0	0	2	67	828	3	0	33	0	67	828	2	3	23	25	49	831
Optional school/SAU question																						
A.	0										0											
B.	67	0	0	1	25	0	0	3	75	822	67	0	25	0	75	822						
C.	0										0											
D.	33	0	0	0	0	0	0	2	100	822	33	0	0	0	100	822						

# SCIENCE AND TECHNOLOGY RESULTS

Test Date: March 2008  
Grade: 8  
SAU: MSAD 05  
School: Rockland District Middle Sch

ACHIEVEMENT LEVEL DEFINITIONS		STUDENTS AT EACH ACHIEVEMENT LEVEL					
		School		SAU		State	
		N	%	N	%	N	%
<b>Exceeds the Standards</b> – The student’s work demonstrates in-depth understanding of essential concepts in science, including the ability to make multiple connections among central ideas. The student’s responses demonstrate the ability to synthesize information, analyze and solve difficult problems using the processes of scientific inquiry, and explain complex concepts using evidence and proper terminology to support and communicate logical conclusions. (scaled score 861–880)	2005-2006	7	6	7	7	1879	12
	2006-2007	4	4	4	4	2192	14
	<b>2007-2008</b>	<b>11</b>	<b>9</b>	<b>11</b>	<b>9</b>	<b>2371</b>	<b>16</b>
	Cum. Total*	22	7	22	7	6442	14
<b>Meets the Standards</b> – The student’s work demonstrates a general understanding of essential concepts in science, including the ability to make connections among central ideas. The student’s responses demonstrate the ability to analyze and solve routine problems using the processes of scientific inquiry and explain central concepts with sufficient clarity and accuracy to demonstrate general understanding. (scaled score 841–860)	2005-2006	53	49	53	50	8604	53
	2006-2007	56	52	56	52	7916	52
	<b>2007-2008</b>	<b>50</b>	<b>43</b>	<b>50</b>	<b>43</b>	<b>7630</b>	<b>51</b>
	Cum. Total*	159	48	159	48	24150	52
<b>Partially Meets the Standards</b> – The student’s work demonstrates incomplete understanding of essential concepts in science and inconsistent connections among central ideas. The student’s responses demonstrate some ability to analyze and solve problems using scientific inquiry but the quality of responses is inconsistent. Explanation of concepts may be incomplete or unclear. (scaled score 831–840)	2005-2006	27	25	27	25	3618	22
	2006-2007	31	29	31	29	3340	22
	<b>2007-2008</b>	<b>37</b>	<b>32</b>	<b>37</b>	<b>32</b>	<b>3175</b>	<b>21</b>
	Cum. Total*	95	29	95	29	10133	22
<b>Does Not Meet the Standards</b> – The student’s work demonstrates limited understanding of essential concepts in science and infrequent or inaccurate connections among central ideas. The student’s responses demonstrate minimal ability to solve problems and use the skills of scientific inquiry. There are many inaccuracies and explanations are illogical, incomplete, or missing. (scaled score 800–830)	2005-2006	21	19	20	19	2174	13
	2006-2007	16	15	16	15	1865	12
	<b>2007-2008</b>	<b>18</b>	<b>16</b>	<b>18</b>	<b>16</b>	<b>1731</b>	<b>12</b>
	Cum. Total*	55	17	54	16	5770	12

Learning Results Content Standard Clusters	Number of Points Possible		Average Points Attained (Number and Percent)					
			School		SAU		State	
	N	%	N	%	N	%	N	%
Cluster 1: Life Sciences	14	25	7.4	52.9	7.4	52.9	8.1	57.9
Cluster 2: Physical Sciences	14	25	6.1	43.6	6.1	43.6	7.3	52.1
Cluster 3: Earth and Space Sciences	14	25	7.1	50.7	7.1	50.7	7.7	55.0
Cluster 4: Nature and Implications of Science	14	25	8.2	58.6	8.2	58.6	8.5	60.7

## Cluster 1: Life Sciences

- A. Classifying Life Forms
- B. Ecology
- C. Cells

## Cluster 2: Physical Sciences

- E. Structure of Matter
- H. Energy
- I. Motion

## Cluster 3: Earth and Space Sciences

- D. Continuity and Change
- F. The Earth
- G. The Universe

## Cluster 4: Nature and Implications of Science

- J. Inquiry and Problem Solving
- K. Scientific Reasoning
- L. Communication
- M. Implications of Science & Technology

Each content standard in the clusters shown is defined in Maine’s 1997 *Learning Results*, which are the basis for science and technology Grade Span Expectations. Each item on the MEA measures a grade span expectation, which can be found at <http://www.maine.gov/education/lslat/gles.htm>.

# SCIENCE AND TECHNOLOGY RESULTS

(CONTINUED)

Test Date: March 2008  
Grade: 8  
SAU: MSAD 05  
School: Rockland District Middle Sch

REPORTING CATEGORIES	School										SAU						State					
	Tested	E		M		P		D		Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score
	N	N	%	N	%	N	%	N	%		N	%	%	%	%		N	%	%	%	%	
<b>All Students</b>	116	11	9	50	43	37	32	18	16	843	116	9	43	32	16	843	14907	16	51	21	12	847
<b>Ethnicity</b>																						
African American/Black	1										1						349	4	35	26	34	837
American Indian or Native Alaskan	0										0						117	8	40	28	24	840
Asian or Pacific Islander	1										1						181	20	50	15	15	849
Hispanic	1										1						131	5	50	22	23	842
Caucasian/White	113	11	10	47	42	37	33	18	16	843	113	10	42	33	16	843	14129	16	52	21	11	848
Not Reported	0										0						0					
<b>Identified disability</b>																						
Yes	16	0	0	6	38	3	19	7	44	833	16	0	38	19	44	833	2258	3	29	31	37	836
No	100	11	11	44	44	34	34	11	11	845	100	11	44	34	11	845	12649	18	55	20	7	850
<b>Current LEP</b>																						
Yes	1										1						315	4	29	25	42	834
No	115	11	10	49	43	37	32	18	16	843	115	10	43	32	16	843	14592	16	52	21	11	848
<b>Economically disadvantaged</b>																						
Yes	47	2	4	15	32	19	40	11	23	838	47	4	32	40	23	838	5206	8	45	28	20	842
No	69	9	13	35	51	18	26	7	10	847	69	13	51	26	10	847	9701	20	55	18	7	850
<b>Migrant</b>																						
Yes	0										0						7	29	57	14	0	852
No	116	11	9	50	43	37	32	18	16	843	116	9	43	32	16	843	14900	16	51	21	12	847
<b>Gender</b>																						
Female	63	7	11	22	35	22	35	12	19	842	63	11	35	35	19	842	7196	14	52	23	12	847
Male	53	4	8	28	53	15	28	6	11	844	53	8	53	28	11	844	7711	18	51	20	12	848
Not Reported	0										0						0					
<b>Title 1A targeted program</b>																						
Yes	0										0						804	6	38	34	22	841
No	116	11	9	50	43	37	32	18	16	843	116	9	43	32	16	843	14103	16	52	21	11	848
<b>Gifted/talented program</b>																						
Yes	7	5	71	2	29	0	0	0	0	867	7	71	29	0	0	867	592	63	35	1	0	865
No	109	6	6	48	44	37	34	18	17	842	109	6	44	34	17	842	14315	14	52	22	12	847

E = Exceeds the Standards M = Meets the Standards P = Partially Meets the Standards D = Does Not Meet the Standards

NOTE: Some achievement level results have been left blank because fewer than five (5) students were tested. N = Number

# SCIENCE AND TECHNOLOGY RESULTS

## (QUESTIONNAIRE ITEMS)

Test Date: March 2008  
Grade: 8  
SAU: MSAD 05  
School: Rockland District Middle Sch

QUESTIONNAIRE ITEMS	School										SAU						State					
	Students in Each Category	E		M		P		D		Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score
		%	N	%	N	%	N	%	N			%	%	%	%			%	%	%	%	
How much homework do you do on school nights? A. none B. less than one hour C. one to two hours D. more than two hours	14 53 30 3	0 7 4 0	0 11 11 0	6 25 17 2	38 41 49 67	7 22 7 1	44 36 20 33	3 7 7 0	19 11 20 0	839 845 843 842	14 53 30 3	0 11 11 0	38 41 49 67	44 36 20 33	19 11 20 0	839 845 843 842	9 46 41 5	10 14 19 19	40 52 53 47	26 22 19 21	23 12 9 14	842 847 849 848
How well do the questions that you have just been given on this MEA test match what you have learned in school about science? A. The questions on the test match what I have learned in science class. B. They match some of what I have learned. C. They match just a little of what I have learned. D. There is no match.	23 46 19 12	5 4 1 1	19 8 5 8	11 23 11 4	42 44 50 31	7 15 8 7	27 29 36 54	3 10 2 1	12 19 9 8	848 842 845 843	23 46 19 12	19 8 5 8	42 44 50 31	27 29 36 54	12 19 9 8	848 842 845 843	29 49 18 5	19 16 13 9	54 51 51 39	19 22 23 29	9 11 13 23	849 848 846 842
Which of the following best describes how you rate yourself as a student in science? A. very good B. good C. fair D. poor	25 52 21 3	5 6 0 0	18 10 0 0	13 27 9 1	46 46 38 33	6 19 10 2	21 32 42 67	4 7 5 0	14 12 21 0	847 845 837 842	25 52 21 3	18 10 0 0	46 46 38 33	21 32 42 67	14 12 21 0	847 845 837 842	23 54 20 3	28 15 5 2	51 55 45 35	13 21 32 34	8 9 18 29	853 848 842 838
How difficult was the science part of this test? A. harder than my regular schoolwork B. about the same as my regular schoolwork C. easier than my regular schoolwork	31 50 19	3 5 3	9 9 14	15 24 10	43 42 45	12 20 5	34 35 23	5 8 4	14 14 18	844 842 846	31 50 19	9 9 14	43 42 45	34 35 23	14 14 18	844 842 846	27 59 13	15 15 21	49 53 51	22 22 18	14 10 10	846 848 850
How hard did you try on the science part of this test? A. I tried harder on this test than I do on my regular schoolwork. B. I tried about the same as I do on my regular schoolwork. C. I did not try as hard on this test as I do on my regular schoolwork.	50 44 6	8 3 0	14 6 0	25 22 3	44 44 43	17 18 1	30 36 14	7 7 3	12 14 43	846 842 836	50 44 6	14 6 0	44 44 43	30 36 14	12 14 43	846 842 836	40 55 5	15 17 12	51 53 41	22 21 25	12 10 22	847 848 843
Which courses do you plan to take before you graduate from high school? A. earth and space science and/or biology B. the course(s) described in A, plus chemistry C. the course(s) described in B, plus physics D. a life science and physical science class	25 26 22 27	1 4 6 0	4 13 24 0	11 17 11 10	39 57 44 32	14 5 7 11	50 17 28 35	2 4 1 10	7 13 4 32	841 847 851 837	25 26 22 27	4 13 24 0	39 57 44 32	50 17 28 35	7 13 4 32	841 847 851 837	25 24 22 29	11 18 30 8	53 53 47 52	23 20 14 27	13 10 8 14	846 849 853 844
How do you feel about the following statement? “My knowledge of science and technology will be useful to me as an adult.” A. strongly agree B. agree C. disagree D. strongly disagree	18 57 20 5	6 5 0 0	29 8 0 0	9 28 12 1	43 43 52 17	2 22 9 4	10 34 39 67	4 10 2 1	19 15 9 17	849 843 842 835	18 57 20 5	29 8 0 0	43 43 52 17	10 34 39 67	19 15 9 17	849 843 842 835	27 54 15 4	23 15 10 7	51 53 50 39	17 21 26 30	9 11 14 24	851 847 845 841
How well does the following statement reflect your future goals? “I am interested in a career related to science, technology, engineering, or mathematics.” A. strongly agree B. agree C. disagree D. strongly disagree	20 27 36 17	6 3 1 1	26 10 2 5	14 14 17 5	61 45 41 25	2 8 17 10	9 26 41 50	1 6 6 4	4 19 15 20	853 844 840 840	20 27 36 17	26 10 2 5	61 45 41 25	9 26 41 50	4 19 15 20	853 844 840 840	25 37 26 12	24 15 12 8	52 50 53 48	15 22 23 28	8 12 12 15	851 847 846 844
Optional school/SAU question A. B. C. D.	0 67 0 33	 0  0	 0  0	0 0  0	0 0  0	2 2  2	50 50  100	2 2  0	50 50  0	828   838	0 67 0 33	 0  0	 0  0	50 50  100	 50  0	828   838	    	    	    	    	    	    

E = Exceeds the Standards   M = Meets the Standards   P = Partially Meets the Standards   D = Does Not Meet the Standards  
N = Number